

MTS 520 452

**SUBSTITUTE  
REISSUE APPLICATION DECLARATION BY THE INVENTOR**

Docket Number (Optional)

MTS-520US1

COPY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,761,301, granted June 2, 1998, and for which a reissue patent is sought on the invention entitled MARK FORMING APPARATUS, METHOD OF FORMING LASER

MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK, the specification of which

☐ is attached hereto.

☒ was filed on June 2, 2000 as reissue application number 09 / 588,364 and was amended on \_\_\_\_\_ (If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:  
See Attachment:

(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Pocket Number (Optional) <b>MTS-520US1</b>	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.			
Name(s)		Registration Number	
Allan Ratner		19,717	
Jacques L. Etkowicz		41,738	
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number <span style="border: 1px solid black; display: inline-block; width: 150px; height: 20px; vertical-align: middle;"></span>		<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Place Customer Number Bar Code Label here</div>	
OR		Type Customer Number here	
<input checked="" type="checkbox"/> Firm or Individual Name <b>Ratner &amp; Prestia</b>			
Address <b>P.O. Box 980</b>			
Address			
City <b>Valley Forge</b>		State <b>PA</b>	ZIP <b>19482</b>
Country			
Telephone <b>610-407-0700</b>		Fax	<b>610-407-0701</b>
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name) <b>Mitsuaki Oshima</b>			
Inventor's signature <i>Mitsuaki Oshima</i>			
Residence <b>Kyoto, Japan</b>		Date <b>October 1, 2001</b>	
Post Office Address <b>115-3, Minamitatsumi-cho, Katsura, Nishikyo-ku, Kyoto-shi, Kyoto 615, Japan</b>		Citizenship <b>Japanese</b>	
Full name of second joint inventor (given name, family name) <b>Yoshiho Gotoh</b>			
Inventor's signature <i>Yoshiho Gotoh</i>		Date <b>October 1, 2001</b>	
Residence <b>Osaka, Japan</b>		Citizenship <b>Japanese</b>	
Post Office Address <b>Room 201, 9-17, Higashinkahama 4-chome, Jyoto-ku, Osaka-shi, Osaka 536, Japan</b>			
Full name of third joint inventor (given name, family name)			
Inventor's signature		Date	
Residence		Citizenship	
Post Office Address			
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.			

Attachment to PTO/SB/51 (12-97) Reissue Application Declaration by  
the Inventor

At least one error upon which reissue is based is described as follows:

During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed in the patent at col. 12, lines 30-46 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent. More specifically, the inventors did not claim the feature of the reflective layer being trimmed by a laser to form a barcode-like trimming pattern.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which the priority date is claimed:

Prior Foreign Application(s)

(Number)	(Country)	(Day/Month/Year Filed)
6-283415	Japan	17/November/1994
7-016153	Japan	02/February/1995
7-261247	Japan	09/October/199

10020425 120704

Please type a plus sign (+) inside this box → ☐

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PTO/SB/02C (3-97)  
Approved for use through 8/30/98. OMB 0861-0032  
Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
valid OMB control number.

## DECLARATION

## REGISTERED PRACTITIONER INFORMATION (Supplemental Sheet)

Name	Registration Number	Name	Registration Number
Kevin R. Casey	32,117		
Benjamin E. Leace	33,412		
James C. Simmons	24,842		
Lawrence E. Ashery	34,515		
Christopher R. Lewis	36,201		
Robert L. Andersen	25,771		
Daniel N. Calder	27,424		
Louis W. Beardell, Jr.	40,506		
Jacques L. Etkowicz	41,738		
Jonathan H. Spadt	45,122		
Mark J. Marcelli	36,593		
Joshua L. Cohen	38,040		
Jack J. Jankovitz	42,690		
Christopher I. Halliday	42,621		

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

MTS-520US2

PTO/SB/51 (12-97)

Approved for use through 9/30/00. OMB 0651-0033  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Docket Number (Optional)

# REISSUE APPLICATION DECLARATION BY THE INVENTOR

MTS-520US1

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed

in patent number 5,761,301, granted June 2, 1998, and for which a reissue patent is sought on the invention entitled MARK FORMING APPARATUS, METHOD OF FORMING LASER

MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK

the specification of which

☐ is attached hereto.

☒ was filed on June 2, 2000 as reissue application number 09 / 588,364  
and was amended on \_\_\_\_\_

(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:

During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed at page 31, line 23 to page 32, line 15 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)-

MTS-520US1

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Name(s)

Registration Number

Allan Ratner

19,717

Jacques L. Etkowicz

41,738

Correspondence Address: Direct all communications about the application to:

☐ Customer Number

OR

Type Customer Number here

Place Customer Number Bar  
Code Label here

Firm or

Individual Name

Ratner &amp; Prestia

Address

P.O. Box 980

Address

City

Valley Forge

State

PA

ZIP

19482

Country

Telephone

610-407-0700

Fax

610-407-0701

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

Mitsuaki Oshima

Inventor's signature

*Mitsuaki Oshima*

Residence

Kyoto, Japan

Date

June 26, 2000

Post Office Address 115-3, Minamitatsumi-cho, Katsura,  
Nishikyo-ku, Kyoto-shi, Kyoto 615, Japan

Citizenship

Japanese

Full name of second joint inventor (given name, family name)

Yoshiho Gotoh

Inventor's signature

*Yoshiho Gotoh*

Date

June 26, 2000

Residence

Osaka, Japan

Citizenship

Japanese

Post Office Address

Room 201, 9-17, Higashinkahama 4-chome, Jyoto-ku, Osaka-shi, Osaka 536, Japan

Full name of third joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Post Office Address



Additional joint inventors are named on separately numbered sheets attached hereto.

MTS 520 52

REISSUE APPLICATION DECLARATION BY THE ASSIGNEE

Docket Number (optional)  
MTS-520US1

I hereby declare that:  
My residence and post office address and citizenship are stated below next to my name.  
I am authorized to act on behalf of the following assignee: Matsushita Electric Industrial Co., Ltd.  
and the title of my position with said assignee is: Director  
The entire title to the patent identified below is vested in said assignee.

COPY

Name of Patentee(s):  
Mitsuaki Oshima; Yoshiho Gotoh

Patent Number  
5,761,301

Date of Patent Issued  
June 2, 1998

Title of Invention  
MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK

I believe said patentee(s) to be the original, first and sole/joint inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled \_\_\_\_\_  
See Attachment

the specification of which

☐ is attached hereto.

☒ was filed on June 2, 2000 as reissue application number 09/588,364  
and was amended on \_\_\_\_\_  
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:


During the prosecution of the application that issued as the above patent, the inventors did not recognize that the features disclosed at page 31, line 23 to page 32, line 15 were appropriate to claim. As such, the inventors did not claim all that they had a right to claim. This error was made without deceptive intent.

[Attach additional sheets, if needed.]

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant.

2020-03-04 10:00:00

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(REISSUE APPLICATION DECLARATION BY THE ASSIGNEE, page 2)					Docket Number (Optional ) MTS-520US1	
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.						
Name(s)		Registration Number				
Allan Ratner		19,717				
Lawrence E. Ashery		34,515				
Jacques L. Etkowicz		41,738				
Jack J. Jankovitz		42,690				
Correspondence Address: Direct all communications about the application to:						
<input type="checkbox"/> Customer Number		<div style="border: 1px solid black; width: 150px; height: 30px; margin: 0 auto;"></div> Type Customer Number Here			<div style="border: 1px solid black; padding: 5px; text-align: center;">Place Customer Number Bar Code Label Here</div>	
OR						
<input checked="" type="checkbox"/> Firm or Individual Name	Ratner & Prestia					
Address	P.O. Box 980					
Address						
City	Valley Forge	State	PA	Zip	19482	
Country						
Telephone	(610) 407-0700	Fax	(610) 407-0701			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1 001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.						
Full name of person signing (given name, family name) Osamu Yamazaki						
Signature 				Date June 26, 2000		
Address of Assignee 1006, Oaza Kadoma, Kadoma-shi, Osaka 571, Japan						
Patentee Mitsuaki Oshima				Citizenship Japanese		
Residence/Post Office Address 115-3, Minamitatsumi-cho, Katsura, Nishikyo-ku, Kyoto-shi, Kyoto 615, Japan						
Patentee Yoshiho Gotoh				Citizenship Japanese		
Residence/Post Office Address Room 201, 9-17, Higashinkahama 4-chome, Jyoto-ku, Osaka-shi, Osaka 536 Japan						



Attachment to PTO/SB/52 (12-97) Reissue Application Declaration by  
the Assignee

Title of Invention:

MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON  
OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF  
PRODUCING OPTICAL DISK

4009043 400904

MTS 520 452

Practitioner's Docket No. MTS-520US1

COPY

PATENT

ASSENT BY ASSIGNEE FOR FILING OF REISSUE APPLICATION

This is part of the application for a reissue patent filed herewith based on the original patent identified as follows:

Name of Patentee: Matsushita Electric Industrial Co., Ltd.

Patent Number: 5,761,301

Date Patent Issued: 06/02/98

Title of Invention: MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK

I am an assignee owning an undivided interest to the above original patent.

I assent to the accompanying application for reissue.

Attached is a "Certificate under 37 C.F.R. section 3.73(b)"

Matsushita Electric Industrial Co., Ltd.

  
Signature of person signing for assignee

Date: June 26, 2000

Osamu Yamazaki

Director

RECEIVED

JUN 23 1996

RATNER & PRESTIA



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 29, 1996

PTAS



\*100173965A\*

RATNER & PRESTIA  
ALLAN RATNER  
P.O. BOX 980  
500 N. GULPH ROAD  
VALLEY FORGE, PENNSYLVANIA 19482

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/10/1996

REEL/FRAME: 7884/0122  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
OSHIMA, MITSUAKI

DOC DATE: 02/20/1996

ASSIGNOR:  
GOTOH, YOSHIHO

DOC DATE: 02/20/1996

ASSIGNEE:  
MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.  
1006, OAZA KADOMA, KADOMA-SHI  
OSAKA, JAPAN 571

SERIAL NUMBER: 08560015  
PATENT NUMBER:

FILING DATE: 11/17/1995  
ISSUE DATE:

KEITH GOODE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

No legalization required

ASSIGNMENT

WHEREAS, the ASSIGNOR, comprising the following named inventors:

Inventors

ASSIGNORS/  
INVENTORS

1. Mitsuaki OSHIMA
2. Yoshiho GOTOH
- 3.
- 4.

TITLE

has made an invention entitled: MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK, REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISK and has executed an application for Letters Patent of the United States concurrently herewith;

WHEREAS, the ASSIGNEE, comprising the following named company:

ASSIGNEE  
(Full Name  
and address)

1. MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
of 1006 Oaza Kadoma, Kadoma-shi, Osaka 571 JAPAN

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

NOW, THEREFORE, in consideration of the payment by ASSIGNEE to ASSIGNOR of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR, intending to be legally bound, hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions and continuations thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

ASSIGNOR hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

ASSIGNOR agrees it shall be legally bound, upon request of the ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the ASSIGNOR has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the ASSIGNEE, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, ASSIGNOR also grants to ASSIGNEE such control over any deposit made by ASSIGNOR as may be necessary to the validity of the patent rights assigned herein.

ASSIGNOR authorizes ASSIGNOR's attorney to insert at the end hereof the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney docket or file designation for this application.

If the ASSIGNOR includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

IN WITNESS WHEREOF, this Assignment is executed on the day indicated below.

(Typed or Printed Name)	(Signature)	(Date)
1. Mitsuaki OSHIMA	<u>Mitsuaki Oshima</u>	<u>Feb. 20, 1996</u>
2. Yoshiho GOTOH	<u>Yoshiho Gotoh</u>	<u>Feb. 20, 1996</u>
3.	_____	_____
4.	_____	_____

SIGNATURE

Application for United States Letters Patent

Serial No. 08,600,015 Filed November 17, 1995

Attorney Docket No.: MTS-520

40020425 120704

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**REISSUE APPLICATION BY THE ASSIGNEE,  
OFFER TO SURRENDER PATENT**

Docket Number (Optional)

MTS-520US1

COPY

This is part of the application for a reissue patent based on the original patent identified below.

Name of Patentee(s):

Mitsuaki Oshima; Yoshiho Gotoh

Patent Number

5,761,301

Date Patent Issued

June 2, 1998

Title of Invention

MARK FORMING APPARATUS, METHOD OF FORMING LASER MARK ON OPTICAL DISK,  
REPRODUCING APPARATUS, OPTICAL DISK AND METHOD OF PRODUCING OPTICAL DISKMatsushita Electric Industrial Co., Ltd. is the assignee of the entire interest in the original patent.

I offer to surrender the original patent.

☒ A certificate under 37 CFR 3.73(b) is attached.

I am authorized to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application, any patent issued thereon, or any patent to which this declaration is directed.

Name of assignee

Matsushita Electric Industrial Co., Ltd.

Signature of person signing for assignee

Date

June 26, 2000

Typed or printed name and title of person signing for assignee

Osamu Yamazaki,

Director

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: M. Oshima et al.

: Art Unit: 2132

Serial No.: 09/588,364

: Examiner: S. Kabakoff

Filed: June 2, 2000

FOR: MARK FORMING APPARATUS,  
METHOD OF FORMING LASER MARK ON  
OPTICAL DISK, REPRODUCING  
APPARATUS, OPTICAL DISK AND  
METHOD OF PRODUCING OPTICAL DISK

COPY

CERTIFICATE UNDER 37 CFR 3.73 (b)

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R :

Matsushita Electric Industrial Co., Ltd., a Japanese Corporation certifies that it is the assignee of the entire right, title and interest in U.S. Patent No. 5,761,301, which issued from application number 08/560,015, filed on November 17, 1995 by virtue of an assignment from the inventors. The assignment was recorded in the Patent and Trademark Office at Reel 7884, Frame 0122, for which a copy thereof is attached.

The undersigned has reviewed all the documents in the chain of title from patent application 08/560,015 to U. S. Patent No. 5,761,301 and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date : October 1, 2001

Name : H. Kitagawa

Title : General Manager of Development Center  
Authorized Signing Officer

Signature : \_\_\_\_\_

1000043-10004